

FIG. 1

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Title: Aut mated Rig Contr I Management System Atty: Shawn Hunter; T leph ne: (713) 266-1130 Ext. 119

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EXAMPLES OF "RESOURCES" THAT CAN BE CHECKED OUT

- 1. TOOL CONTROLS (EACH CHECKED OUT INDIVIDUALLY)
 - TOP DRIVES
 - SCR CONTROLS
 - DRAWWORKS CONTROLS
- 2. ELECTRONIC DRILLING SYSTEM
 - RPM, WOB, TRQ, ΔP
 - PUMP STROKES, DRAWWORKS
- 3. PRESSURE MANAGEMENT SYSTEM
 - PUMP STROKES
 - CHOKE CONTROL
- 4. SOLID CONTROL
 - PUMP STROKES
 - SHAKER CONTROL
 - CENTRIFUGE CONTROL
 - CHEMICAL ADDITIVE CONTROL
- 5. TRIPPING MANAGEMENT SYSTEM
 - DRAWWORKS, IRON ROUGHNECK
 - RPM
 - SWAB/SURGE LIMITS
- 6. DOWNHOLE TOOL CONTROL
 - PUMP STROKES
 - RPM
 - SEQUENCING SCHEMES

FIG. 2

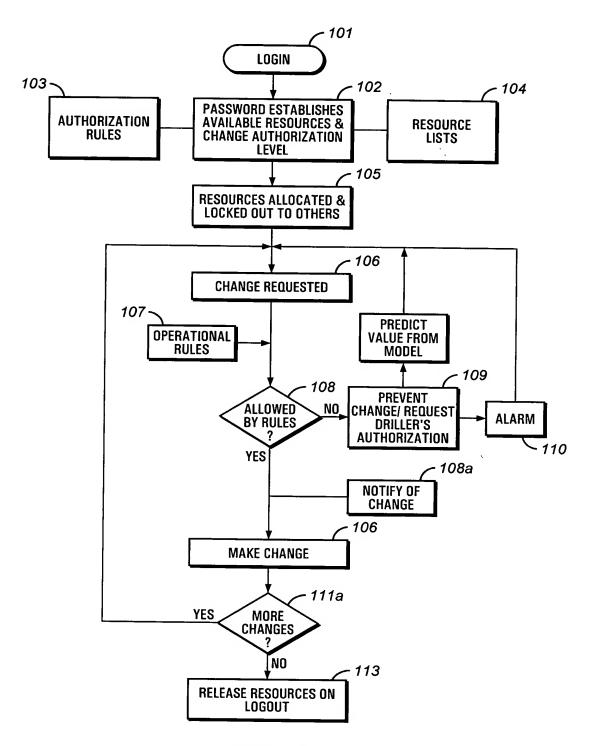
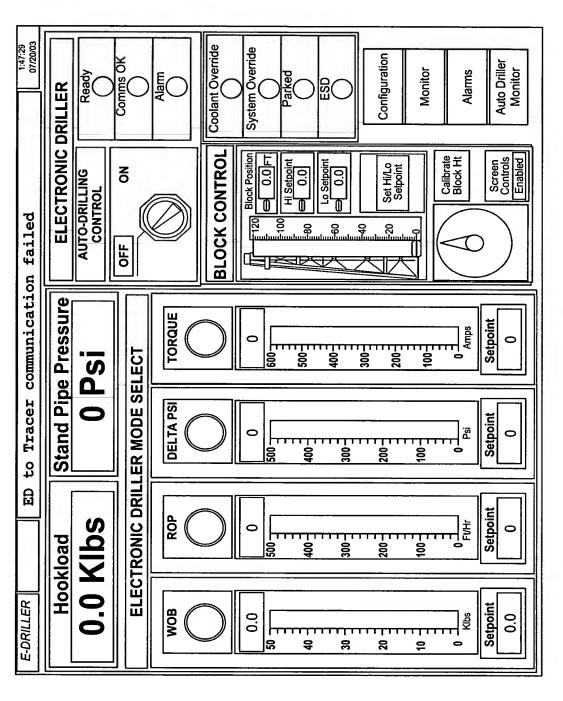


FIG. 3

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USER AUTHORIZATION SCREEN	RESOURCES	DOWNHOLE TOOL CONTROL	ELECTRONIC DRILLER	TOP DRIVE & PIPE HANDLER	SWAB/SURGE CONTROL
	AUTHORIZATION	PASSWORD	KEY-ACCESS	SUPERVISED	PASSWORD W/MANUAL ACKNOWLEDGE
	USER	USER1	USER2	USER3	USER4
	ORGANIZATION	CONTRACTOR 1	CONTRACTOR 1	CONTRACTOR2	CONTRACTOR3
	MODIFY?				

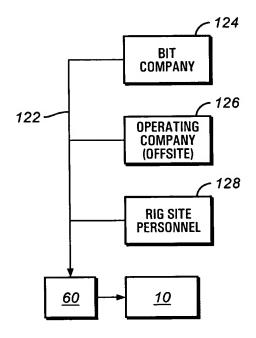


FIG. 6

